COMMERCIAL PLYWOOD
Standard Plywood - High Quality Plywood
Safety Data Sheet

Issue date: 09/16/2026 Revision date: 09/16/2026 Versión: 0.2

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY/UNDERTAKING

1.1. PRODUCT IDENTIFIER

Product form	: Solid wood-based article (plywood panel).
Trade names	: Commercial Plywood; Standard Plywood; High Quality Plywood.
Other designations	: Plywood; film-faced plywood depending on reference; some references may have a wood veneer surface.
UFI / REACH registration No.	: Not applicable to the finished article.

1.2. RELEVANT IDENTIFIED USES AND USES ADVISED AGAINST

Plywood panels for non-structural applications, including formwork, furniture, packaging, interior fitting and industrial processing, subject to the specifications of the relevant product reference and the applicable Declaration of Performance (DoP).

- Professional and industrial use; non-structural applications.
- The supplied DoPs describe indoor use as a non-structural component under dry conditions and exclude use as flooring.
- Do not use as a load-bearing structural component unless a specific declaration/certification explicitly covers such use.
- Do not burn in the open air or in an unauthorised installation.

1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Supplier / entity placing on the market	: HTP GLOBAL.
Address	: 568 Chemin du Clos – Lieu-dit Lacaze Haute – 81100 Castres – France.
Telephone	: +33 (0)5 63 73 33 29.
E-mail.	: contact@htpglobal.net
Website	: https://htpglobal.net

1.4. EMERGENCY TELEPHONE NUMBER

ORFILA (France): +33 (0)1 45 42 59 59. This number routes callers to the appropriate French poison control centre. For placing on the market outside France, the local distributor/importer must verify and, where necessary, complete this section with the relevant national emergency number.

2. HAZARDS IDENTIFICATION

2.1. CLASSIFICATION OF THE PRODUCT

The finished panel, supplied as a solid article, is not classified as hazardous on the basis of the available information. No CLP classification is assigned to the finished panel.

2.2. LABEL ELEMENTS

CLP labelling: not applicable to the finished panel under normal conditions of supply and use.

2.3. OTHER HAZARDS

- Machining (sawing, sanding, routing, drilling) generates wood dust. This dust may irritate the eyes, skin and respiratory tract and may cause allergic reactions in susceptible individuals.
- In France, work involving exposure to inhalable wood dust is regarded as a carcinogenic process. A binding occupational exposure limit of 1 mg/m³ over 8 hours applies to wood dust.
- Fine wood dust is combustible and may form an explosive atmosphere with air when present at sufficient concentrations.
- The resins used are thermosetting and are polymerised during manufacture. Very low residual formaldehyde emissions may nevertheless remain; the classes declared in the DoPs are specified in Sections 3 and 15.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. SUBSTANCE

Not applicable: the finished product is an article and not a substance.

3.2. MIXTURE

Not applicable in the strict sense: the finished product is an article. The composition information below is provided voluntarily to support understanding of the risks associated with processing the panel.

RANGE	COMPOSITION / ADHESIVE	DECLARED FORMALDEHYDE EMISSION	DOP DENSITY
Commercial Plywood	Wood veneers + MUF Moist-Resistant adhesive; phenolic film on most references	E0 (EN 717-2)	450-550 kg/m³
Standard Plywood	Wood veneers + Melamine Urea Formaldehyde adhesive; phenolic film on most references	E0.5 (EN 717-2)	450-550 kg/m³
High Quality Plywood	Wood veneers + phenolic adhesive; phenolic film on most references	E0 (EN 717-2)	550-650 kg/m³

Indicative composition of the article: wood veneers constitute the major part of the panel; thermosetting adhesive is applied during manufacture at approximately 84 kg/m³ according to the information provided; typical moisture content of the finished panel is 6–10%; the surface film represents a low mass fraction. Wood species may vary by product reference (for example eucalyptus, acacia, birch, bintangor or other suitable species). The supplier SDS for the MUF resin states 0.05–0.1% free formaldehyde in the liquid resin before polymerisation. This value does not describe the concentration in the finished panel. The supplier SDS for the phenolic surface film identifies phenol–formaldehyde polymer as the main film constituent, with residual phenol and formaldehyde each < 1% in the film before incorporation into the panel. These data are not carried over as a classification of the finished panel.

4. FIRST AID MEASURES

4.1. DESCRIPTION OF FIRST AID MEASURES

General : No special first aid is required for the intact panel. Seek medical advice if symptoms persist.

Inhalation of dust : Move the person to fresh air and keep at rest. Seek medical attention in the event of coughing, breathing discomfort, persistent irritation or an allergic reaction.

Skin contact : Remove dust and wash the skin with soap and water. Treat splinters/cuts according to normal first-aid practice. Seek medical advice if irritation persists.

Eye contact : Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Seek medical advice if irritation persists.

Ingestion : An unlikely route of exposure for the article. Rinse mouth. Do not induce vomiting. Seek medical advice if unwell.

4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Machining dust may cause mechanical irritation of the eyes, skin and respiratory tract. Repeated exposure to wood dust may cause rhinitis, asthma or sensitisation in some individuals. Repeated occupational exposure to wood dust requires specific preventive measures.

4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treat symptomatically. No specific measures are known to be required for the intact panel.

5. FIREFIGHTING MEASURES

5.1. EXTINGUISHING MEDIA

Suitable extinguishing media: water spray, foam, dry chemical powder or carbon dioxide for a limited incipient fire. Select extinguishing media appropriate to the surrounding fire conditions.

5.2. SPECIAL HAZARDS ARISING FROM THE PRODUCT

Plywood is a combustible material. In a fire or during pyrolysis it may release smoke, carbon monoxide, carbon dioxide and other irritating or toxic decomposition products, including organic compounds originating from the wood and resins. Fine wood dust may present an explosion hazard when suspended in air.

5.3. ADVICE FOR FIREFIGHTERS

Wear self-contained breathing apparatus and suitable protective clothing in smoke-filled atmospheres. Cool exposed stacks or products where this can be done safely. Avoid dispersing dust during clean-up operations.

6. ACCIDENTAL RELEASE MEASURES

6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

The product is solid. In the event of breakage or machining, avoid re-suspending dust. Wear the protective equipment described in Section 8.

6.2. ENVIRONMENTAL PRECAUTIONS

Avoid releasing dust and waste into drains, surface waters or the natural environment.

6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Collect panels or fragments mechanically. For dust, use industrial extraction equipment suitable for combustible dust and consistent with the site ATEX risk assessment. Avoid dry sweeping and compressed air, which may re-suspend dust.

6.4. REFERENCE TO OTHER SECTIONS

See Sections 8 and 13.

7. HANDLING AND STORAGE

7.1. PRECAUTIONS FOR SAFE HANDLING

- Handle panels so as to prevent dropping, crushing, cuts and splinters; take account of panel weight and dimensions during manual or mechanical handlings.
- During machining operations, capture dust at source and provide adequate ventilation.
- Prevent dust accumulation on machinery, structural elements, floors and electrical installations. Keep ignition sources away from dusty areas.
- Do not eat, drink or smoke in machining areas. Wash hands after handling and before breaks.

7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Store flat in a dry, ventilated area, protected from rain, standing water, excessive humidity, open flames and heat sources. Keep stacks stable and prevent tipping. Keep away from strong oxidising agents.

7.3. SPECIFIC END USE(S)

Non-structural applications in accordance with the relevant commercial reference and corresponding DoP.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. CONTROL PARAMETERS

AGENT	REFERENCE	8-HOUR OEL	SHORT-TERM OEL	REMARKS
Wood dust (France)	French Labour Code / INRS	1 mg/m³	-	Binding regulatory value; inhalable fraction.
Hardwood dust (EU)	Directive 2004/37/EC, as amended	2 mg/m³	-	8-hour limit value; apply stricter national legislation where applicable.
Formaldehyde (France / EU)	CAS 50-00-0	0.37 mg/m³ (0.3 ppm)	0.74 mg/m³ (0.6 ppm)	Binding regulatory values in France.

8.2. EXPOSURE CONTROLS

Engineering controls: capture dust as close as possible to the source during sawing, sanding, routing and drilling. Maintain adequate general ventilation and service extraction systems regularly. Keep airborne dust levels as low as technically achievable.

Eye / face protection	: Safety glasses during operations generating dust or flying particles.
Hand protection	: Handling gloves suitable for the risk of cuts/splinters. Select gloves according to the task and mechanical risk.
Skin protection	: Suitable work clothing; avoid accumulation of dust in clothing.
Respiratory protection	: If local extraction/ventilation does not adequately control exposure, use particulate respiratory protective equipment (for example P2/P3 filter or equivalent) selected on the basis of the risk assessment and measured concentrations.
Hygiene measures	: Wash hands and face after dusty work. Clean work clothing without using compressed air.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: Solid.
Appearance	: Multi-ply plywood panel; film-faced surface on most references, or wood veneer depending on the product.
Colour	: Variable depending on the film, veneer and wood species.
Odour	: Characteristic wood odour; slight resin odour may be present depending on reference and storage conditions.
Moisture content	: Typically 6–10%.
Density	: Commercial Plywood: 450–550 kg/m³; Standard Plywood: 450–550 kg/m³; High Quality Plywood: 550–650 kg/m³ (DoP). A value of 600 kg/m³ may be used as a conventional calculation value where required.
Solubility in water	: Insoluble; wood may absorb moisture and deform following prolonged exposure.
pH	: Not applicable to the solid article.
Melting / boiling point	: Not applicable.
Flash point	: Not applicable to the solid article.
Flammability	: Combustible material; not classified as a “flammable solid” on the basis of the available information. Reaction to fire declared in the DoPs: D-s2,d0 under the conditions specified in those DoPs (> 9 mm).
Explosive limits	: Not applicable to the intact panel. Fine wood dust may form an explosive atmosphere.
Particle characteristics	: Not applicable to the product as supplied in panel form; dust is generated only during machining.

9.2. OTHER INFORMATION

No additional data specific to the finished product are available.

10. STABILITY AND REACTIVITY

10.1. REACTIVITY

No hazardous reactivity is known under normal conditions of transport, storage and use.

10.2. CHEMICAL STABILITY

Stable under normal recommended conditions.

10.3. POSSIBILITY OF HAZARDOUS REACTIONS

No hazardous reactions are known for the finished panel under normal conditions of use.

10.4. CONDITIONS TO AVOID

Flames, excessive heat, ignition sources, dust accumulation and prolonged exposure to moisture or water where the product reference is not intended for such conditions.

10.5. INCOMPATIBLE MATERIALS

Strong oxidising agents and any substance liable to attack the wood or resins.

10.6. HAZARDOUS DECOMPOSITION PRODUCTS

In the event of fire or pyrolysis: smoke, carbon monoxide, carbon dioxide, aldehydes and other organic decomposition products. No hazardous decomposition products are expected under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

11.1. INFORMATION ON HAZARD CLASSES AS DEFINED IN REGULATION (EC) NO 1272/2008

No specific toxicological study has been provided for the finished panel. Based on its form as an article and the available information, the finished panel is not classified for acute toxicity, skin corrosion/irritation, serious eye damage/irritation, sensitisation, mutagenicity, carcinogenicity, reproductive toxicity, specific target organ toxicity or aspiration hazard.

Relevant risks arise mainly during machining: wood dust may cause irritation and sensitisation; repeated occupational exposure to wood dust is subject to specific preventive requirements because of the carcinogenic risk associated with work generating inhalable wood dust.

Formaldehyde is classified as a Category 1B carcinogen and Category 2 mutagen; this classification applies to formaldehyde as a substance and does not constitute a classification of the finished panel. Panel emissions must be controlled in accordance with the applicable placing-on-the-market requirements and the product declarations of performance.

11.2. INFORMATION ON OTHER HAZARDS

No specific data are available regarding endocrine-disrupting properties of the finished panel.

12. ECOLOGICAL INFORMATION

12.1. TOXICITY

No specific ecotoxicity data have been provided for the finished article. The solid panel is not intended to be dispersed in the environment. Avoid release of dust and fragments to water or the natural environment.

12.2. PERSISTENCE AND DEGRADABILITY

Wood is an organic material that is biodegradable over the long term; polymerised thermosetting resins degrade more slowly. No product-specific quantitative data are available for the finished panel.

12.3. BIOACCUMULATIVE POTENTIAL

Not determined for the finished article.

12.4. MOBILITY IN SOIL

Low for the intact panel; fragments and dust may be transported mechanically.

12.5. RESULTS OF PBT AND VPVB ASSESSMENT

Not determined for the finished article on the basis of the information provided.

12.6. ENDOCRINE-DISRUPTING PROPERTIES

No specific information is available for the finished article.

12.7. OTHER ADVERSE EFFECTS

No other specific adverse effects have been identified on the basis of the available information.

13. DISPOSAL CONSIDERATIONS

13.1. WASTE TREATMENT METHODS

- Give priority to reuse of panels and offcuts where technically feasible and compatible with the intended use.
- Next, give priority to material recovery/recycling through a waste stream that accepts bonded and/or film-faced plywood panels.
- Where this is not feasible, energy recovery may be considered in an authorised installation suitable for wood-based panel waste containing resins.
- Do not burn in the open air. Do not use offcuts as domestic fuel unless local regulations and the equipment explicitly permit this.
- The waste code must be determined by the waste holder according to the origin and use of the waste. Comply with applicable local, national and cross-border regulations.

14. TRANSPORT INFORMATION

On the basis of the available information, the finished panel is not regulated as dangerous goods for transport under ADR/RID, ADN, IMDG or IATA.

14.1. UN number or ID number	: Not applicable.
14.2. UN proper shipping name	: Not applicable.
14.3. Transport hazard class(es)	: Not applicable.
14.4. Packing group	: Not applicable.
14.5. Environmental hazards	: Not classified as environmentally hazardous for transport purposes.
14.6. Special precautions for user	: Protect panels against damage, moisture and load tipping. Comply with load securing requirements.
14.7. Maritime transport in bulk according to IMO instruments	: Not applicable.

15. REGULATORY INFORMATION

15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE PRODUCT

- Regulation (EC) No 1907/2006 (REACH), including obligations applicable to articles and communication requirements for substances of very high concern when present above the applicable thresholds.
- Regulation (EC) No 1272/2008 (CLP): on the basis of the available information, the finished panel is not classified as a hazardous substance or mixture.
- Regulation (EU) 2020/878: structure used voluntarily for this safety information sheet.
- Regulation (EU) 2023/1464 amending Annex XVII to REACH, entry 77 on formaldehyde and formaldehyde-releasing substances: from 6 August 2026, a limit of 0.062 mg/m³ applies, under the test conditions specified in Appendix 14, to wood-based articles placed on the market within the scope of the restriction, unless an exemption applies.
- Directive 2004/37/EC, as amended, on the protection of workers from the risks related to exposure to carcinogens, mutagens or reprotoxic substances at work, including hardwood dust.

15.2. CHEMICAL SAFETY ASSESSMENT

Not applicable as such to the finished article. No product-specific chemical safety assessment has been provided for this sheet.

FORMALDEHYDE: AVAILABLE TEST DATA

Formaldehyde emission chamber tests were carried out by SGS Vietnam with reference to EN 717-1:2004 on plywood panels of different thicknesses. Results were 0.05 mg/m³ for the 4.5 mm panel and not detected (reporting limit: 0.04 mg/m³) for the 9, 12, 15 and 18 mm panels.

These values are below the limit value of 0.062 mg/m³ applicable to wood-based articles falling within entry 77 of Annex XVII to REACH. However, the test report results apply only to the samples actually tested. Their representativeness for all Commercial Plywood, Standard Plywood and High-Quality Plywood references placed on the market by HTP GLOBAL must be ensured in the product technical file.

Verification of SVHCs on the REACH Candidate List must also be maintained on the basis of up-to-date supplier declarations.

16. OTHER INFORMATION

16.1. TECHNICAL SOURCES USED FOR THIS DRAFT

- HTP GLOBAL 2026 Declarations of Performance: Commercial Plywood, Standard Plywood and High Quality Plywood.
- Supplier SDS for Melamine Urea Formaldehyde resin – E1MIN10% (TECHWOOD VINA CO., LTD).
- Supplier SDS for Phenolic Surfaced Film – AGD-SDS-417, 09/05/2025 (AICA Guangdong Co., Ltd).
- TARNAISE DES PANNEAUX Hardboard SDS dated 01/10/2024, used as a reference for document structure.
- REACH Regulation (EC) No 1907/2006 and Regulation (EU) 2020/878; Regulation (EU) 2023/1464; CLP Regulation (EC) No 1272/2008.
- INRS: occupational exposure limit values for formaldehyde and wood dust; prevention of risks associated with wood dust.
- SGS Vietnam test reports dated February 2025.
- ICTT report ICTTVN-QT-260085 dated 29/01/2026 – ASTM D6007-22.

16.2. ABBREVIATIONS

ADR	: Agreement concerning the International Carriage of Dangerous Goods by Road.
CLP	: Classification, Labelling and Packaging of substances and mixtures.
DoP	: Declaration of Performance.
SDS	: Safety Data Sheet.
IATA	: International Air Transport Association.
IMDG	: International Maritime Dangerous Goods Code.
MUF	: Melamine Urea Formaldehyde.
PBT / vPvB	: Persistent, bioaccumulative and toxic / very persistent and very bioaccumulative.
REACH	: Regulation concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals.
SVHC	: Substance of Very High Concern.
OEL	: Occupational Exposure Limit.

16.3. REVISION

Version	: 0.2 – Technical validation draft.
Date:	: 16/09/2026.
Main changes	: English version of the HTP GLOBAL Plywood SDS covering the three commercial designations stated in the DoPs.

16.4. DISCLAIMER

The information in this sheet is based on data provided to HTP GLOBAL, available supplier documents and the regulatory references cited. It describes the product solely for health, safety and environmental purposes and does not constitute a guarantee of technical properties. The user remains responsible for assessing the risks associated with its operations, particularly machining operations that generate dust, and for complying with the regulations applicable in the country of use. For markets outside the European Union, local requirements relating to safety data sheets, occupational exposure limits and emergency telephone numbers must be verified. Online references: EUR-Lex – Regulation (EU) 2020/878 | EUR-Lex – Regulation (EU) 2023/1464 | INRS – Wood dust.